Notice of References Cited Application/Control No. 10/723,850 Examiner JUNCHUN WU Applicant(s)/Patent Under Reexamination MEGIDDO, NIMROD Art Unit Page 1 of 1

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NON-PATENT DOCUMENTS

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

3. The process as recited in claim 1, wherein the monomer component further comprises one or more α -olefins of the formula $H_2C=CHR^{20}$, wherein R^{20} is n-alkyl containing 1 to 18 carbon atoms.

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4. The process as recited in claim 1 wherein the active catalyst is an iron complex of a tridentate ligand of the formula (VII)

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wherein:

 R^9 , R^{10} , R^{11} , R^{14} , R^{15} and R^{16} is each independently halogen, alkyl containing 1 to 6 carbon atoms, or hydrogen;

 ${\mbox{R}}^{8}$ and ${\mbox{R}}^{13}$ is each independently halogen, phenyl or alkyl containing 1 to 6 carbon atoms; and

 ${\mbox{R}}^{12}$ and ${\mbox{R}}^{17}$ is each independently halogen, phenyl, hydrogen, or alkyl containing 1 to 6 carbon atoms.

5. The process as recited in claim 1, wherein n is 1, 2, 3, 4 or 6.

- 6. The process as recited in claim 5, wherein n is 1, 2, 3 or 4.
- 7. The process as recited in claim 1, wherein R^{19} is hydrogen or methyl.
 - 8. An olefin copolymer comprising the repeat units:
 - (a) $-CH_2CH_2-$ (II);
 - (b) $-CH-CH_2 (CH_2)_mCH=CH_2$ (III)

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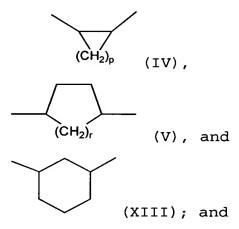
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wherein m is 1, 2, 3 or 4; and

(c) (1) when m is 2, 3 or 4, one or more of



(2) when ${\tt m}$ is 1, one or more of (V) and (XIII); wherein:

p is equal to m; and
r is equal to one or more of m-1, m, and m+1.

9. The olefin copolymer as recited in claim 8, which is derived from the polymerization of a monomer component comprising ethylene and one or more dienes of the formula $H_2C=CH(CH_2)_nCH=CHR^{19}$, wherein R^{19} is hydrogen or methyl, and n is 1, 2, 3 or 4.

10. The olefin copolymer as recited in claim 8, further comprising one or both of the repeat units

$$-CH-CH_2-$$

 $(CH_2)_{m1}CH=CH_2$ (XII)

and

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wherein m1 is 0 or an integer of from 5 to 28, and R^{20} is an n-alkyl containing 1 to 18 carbon atoms.

- 11. The polymer as recited in claim 8, which is substantially non-crosslinked.
- 12. A substantially non-crosslinked copolymer of ethylene and a diene of the formula $H_2C=CH(CH_2)_nCH=CHR^{19}$, wherein R^{19} is hydrogen or an n-alkyl containing 1 to 18 carbon atoms, and n is 0 or an integer of 1 to 28, containing residual unsaturation derived from the diene monomer.
- 13. The copolymer as recited in claim 12, wherein \mathbb{R}^{19} is hydrogen.

14. The copolymer as recited in claim 12, containing one or more of the repeat units

$$(CH_2)_p$$
 (IV), (V) , and $(XIII)$

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wherein p is 2, 3 or 4; and r is 0, 1, 2, 3, 4, or 5.